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☐ 1. Document ID: US 6164281 A

L1: Entry 1 of 22 File: USPT Dec 26, 2000

US-PAT-NO: 6164281
DOCUMENT-IDENTIFIER: US 6164281 A

TITLE: Method of making and/or treating diseases characterized by neovascularization

DATE-ISSUED: December 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhao; Iris Ginron	Philadelphia	PA	19104	N/A

US-CL-CURRENT: 128/898; 600/301

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

☐ 2. Document ID: US 6034109 A

L1: Entry 2 of 22 File: USPT Mar 7, 2000

US-PAT-NO: 6034109
DOCUMENT-IDENTIFIER: US 6034109 A

TITLE: Method for protection of heart by limiting metabolic and ionic abnormalities developed during ischemia following ischemia or resulting from ischemia

DATE-ISSUED: March 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ramasamy; Ravichandran	Davis	CA	N/A	N/A
Schaëfer; Saul	Davis	CA	N/A	N/A

US-CL-CURRENT: 514/345; 514/429, 514/471, 514/646

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

☐ 3. Document ID: US 5928670 A

L1: Entry 3 of 22 File: USPT Jul 27, 1999

US-PAT-NO: 5928670
DOCUMENT-IDENTIFIER: US 5928670 A

TITLE: Method of inhibiting aldose reductase in vivo with intrinsic inhibitors of aldose reductase

DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kador; Peter F.	Potomac	MD	N/A	N/A
Takahashi; Yukio	Nakagyo-ku	N/A	N/A	JPX
Terada; Tomoyuki	Osaka	N/A	N/A	JPX
Rodriguez; Libaniel	Elkridge	MD	N/A	N/A
Schaffhauser; Matteo	Bern	N/A	N/A	CHX

US-CL-CURRENT: 424/558; 424/568, 424/571, 435/184, 435/190

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 4. Document ID: US 5834466 A

L1: Entry 4 of 22 File: USPT Nov 10, 1998

US-PAT-NO: 5834466
DOCUMENT-IDENTIFIER: US 5834466 A

TITLE: Method for protecting of heart by limiting metabolic and ionic abnormalities developed during ischemia, following ischemia or resulting from ischemia

DATE-ISSUED: November 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ramasamy; Ravichandran	Davis	CA	N/A	N/A
Schaefer; Saul	Davis	CA	N/A	N/A

US-CL-CURRENT: 514/227.5; 514/248, 514/356

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 5. Document ID: US 5738878 A

L1: Entry 5 of 22 File: USPT Apr 14, 1998

US-PAT-NO: 5738878
DOCUMENT-IDENTIFIER: US 5738878 A

TITLE: Process for making intrinsic inhibitors of aldose reductase

DATE-ISSUED: April 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kador; Peter F.	Potomac	MD	N/A	N/A
Takahashi; Yukio	Nakagyo-ku	N/A	N/A	JPX
Terada; Tomoyuki	Osaka	N/A	N/A	JPX
Rodriguez; Libaniel	Elkridge	MD	N/A	N/A
Schaffhauser; Matteo	Bern	N/A	N/A	CHX

US-CL-CURRENT: 424/558; 424/568, 424/571, 435/190

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 6. Document ID: US 5677342 A

L1: Entry 6 of 22 File: USPT Oct 14, 1997

US-PAT-NO: 5677342
DOCUMENT-IDENTIFIER: US 5677342 A

TITLE: Phenoxy acetic acids as aldose reductase inhibitors and antihyperglycemic agents

DATE-ISSUED: October 14, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A
Guanwan; Iwan	Somerset	NJ	N/A	N/A

US-CL-CURRENT: 514/569; 562/462

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 7. Document ID: US 5560936 A

L1: Entry 7 of 22 File: USPT Oct 1, 1996

US-PAT-NO: 5560936
DOCUMENT-IDENTIFIER: US 5560936 A

TITLE: Intrinsic inhibitors of aldose reductase

DATE-ISSUED: October 1, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kador; Peter F.	Potomac	MD	N/A	N/A
Takahashi; Yukio	Kyoto	N/A	N/A	JPX
Terada; Tomoyuki	Osaka	N/A	N/A	JPX
Rodriguez; Libaniel	Elkridge	MD	N/A	N/A
Schaffhauser; Matteo	Bern	N/A	N/A	CHX

US-CL-CURRENT: 424/558; 424/568, 424/571, 435/184, 435/190

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 8. Document ID: US 5489592 A

L1: Entry 8 of 22 File: USPT Feb 6, 1996

US-PAT-NO: 5489592
DOCUMENT-IDENTIFIER: US 5489592 A

TITLE: 3,4-dihydro-4-oxo-3-(2-propenyl)-1-phthalazineacetic acids and derivatives, their preparations and medicines containing them

DATE-ISSUED: February 6, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Collonges; Francois	Beynost	N/A	N/A	FRX
Dumas; Herve	Vaulx-Milieu	N/A	N/A	FRX
Durbin; Philippe	Villeurbanne	N/A	N/A	FRX
Guerrier; Daniel	Saint Genis Laval	N/A	N/A	FRX

US-CL-CURRENT: 514/248; 544/237

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 9. Document ID: US 5482968 A

L1: Entry 9 of 22 File: USPT Jan 9, 1996

US-PAT-NO: 5482968
DOCUMENT-IDENTIFIER: US 5482968 A

TITLE: Naphthalenylmethyl cycloalkenone acetic acids and analogs thereof useful as aldose reductase inhibitors

DATE-ISSUED: January 9, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A

US-CL-CURRENT: 514/481; 514/478, 514/569

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 10. Document ID: US 5399588 A

L1: Entry 10 of 22 File: USPT Mar 21, 1995

US-PAT-NO: 5399588
DOCUMENT-IDENTIFIER: US 5399588 A

TITLE: Naphthalenylmethyl cycloalkenone acetic acids and analogs thereof useful as aldose reductase inhibitors

DATE-ISSUED: March 21, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A

US-CL-CURRENT: 514/530; 514/541, 514/569, 560/28, 562/462

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 11. Document ID: US 5189168 A

L1: Entry 11 of 22 File: USPT Feb 23, 1993

US-PAT-NO: 5189168
DOCUMENT-IDENTIFIER: US 5189168 A

TITLE: 1'-am
ino-2[(benzothiazolyl)methyl]spiro-[isoquinoline-4(1H),3'-pyrrolidine]-1,
2'3,5'(2H)-tetrones and analogs thereof useful as aldose reductase inhibitors

DATE-ISSUED: February 23, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A

US-CL-CURRENT: 546/18; 540/543

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 12. Document ID: US 5189167 A

L1: Entry 12 of 22 File: USPT Feb 23, 1993

US-PAT-NO: 5189167
DOCUMENT-IDENTIFIER: US 5189167 A

TITLE: Alkylidene analogs of 1'-amino-2-[(benzothiazolyl)-methyl]spiro [isoquinoline-4(1H),3'-pyrrolidine]-1,2',3,5'(2H)-tetrones useful as aldose reductase inhibitors

DATE-ISSUED: February 23, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A

US-CL-CURRENT: 546/18

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 13. Document ID: US 5130425 A

L1: Entry 13 of 22 File: USPT Jul 14, 1992

US-PAT-NO: 5130425
DOCUMENT-IDENTIFIER: US 5130425 A

TITLE: Spiro-lactams and analogs thereof useful as aldose reductase inhibitors

DATE-ISSUED: July 14, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A

US-CL-CURRENT: 540/203; 514/860, 546/142, 549/285

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 14. Document ID: US 5102886 A

L1: Entry 14 of 22 File: USPT Apr 7, 1992

US-PAT-NO: 5102886
DOCUMENT-IDENTIFIER: US 5102886 A

TITLE: 1'-aminospiro[isoquinoline-4(1H),3'-pyrrolidine]-1,2',3,5'(2H)-tetrones and analogs thereof useful as aldose reductase inhibitors

DATE-ISSUED: April 7, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A

US-CL-CURRENT: 514/278; 546/142, 546/18, 549/285, 560/82

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 15. Document ID: US 5093496 A

L1: Entry 15 of 22 File: USPT Mar 3, 1992

US-PAT-NO: 5093496
DOCUMENT-IDENTIFIER: US 5093496 A

TITLE: Spiro-isoquinoline-pyrrolidines and analogs thereof useful as aldose reductase inhibitors

DATE-ISSUED: March 3, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A

US-CL-CURRENT: 546/18; 546/142, 560/55, 560/56, 560/80, 560/81, 560/82, 560/96

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 16. Document ID: US 5081241 A

L1: Entry 16 of 22 File: USPT Jan 14, 1992

US-PAT-NO: 5081241
DOCUMENT-IDENTIFIER: US 5081241 A

TITLE: Spiro-pyridazines and analogs thereof useful as aldose reductase inhibitors

DATE-ISSUED: January 14, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A

US-CL-CURRENT: 544/231

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 17. Document ID: US 5068332 A

L1: Entry 17 of 22 File: USPT Nov 26, 1991

US-PAT-NO: 5068332
DOCUMENT-IDENTIFIER: US 5068332 A

TITLE: Alkylidene analogs of 1'-aminospiro[isoquinoline-4(1H),3'-pyrrolidine]-1,2',3,5'(2H)-tetrones useful as aldose reductase inhibitors

DATE-ISSUED: November 26, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A

US-CL-CURRENT: 546/18

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 18. Document ID: US 5045544 A

L1: Entry 18 of 22 File: USPT Sep 3, 1991

US-PAT-NO: 5045544
DOCUMENT-IDENTIFIER: US 5045544 A

TITLE: N'-alkyl-spiro-isoquinoline-pyrrolidine tetrones and analogs thereof useful as aldose reductase inhibitors

DATE-ISSUED: September 3, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A

US-CL-CURRENT: 514/278; 546/142, 546/18

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 19. Document ID: US 5037831 A

L1: Entry 19 of 22 File: USPT Aug 6, 1991

US-PAT-NO: 5037831
DOCUMENT-IDENTIFIER: US 5037831 A

TITLE: Spiro-isoquinoline-pyrrolidines and analogs thereof useful as aldose reductase inhibitors

DATE-ISSUED: August 6, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Malamas; Michael S.	Jamison	PA	N/A	N/A

US-CL-CURRENT: 514/278; 546/18

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 20. Document ID: US 5036080 A

L1: Entry 20 of 22 File: USPT Jul 30, 1991

US-PAT-NO: 5036080
DOCUMENT-IDENTIFIER: US 5036080 A

TITLE: (D)-6-fluoro-2,3-dihydro-2',5-dioxo-spiro[4H-1-benzo pyran-4,4'-imidazolide]-2-carboxamide compounds

DATE-ISSUED: July 30, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kurono; Masayasu	Aichi	N/A	N/A	JPX
Usui; Toshinao	Aichi	N/A	N/A	JPX
Miura; Kenji	Aichi	N/A	N/A	JPX
Kondo; Yasuaki	Aichi	N/A	N/A	JPX
Sawai; Kiichi	Aichi	N/A	N/A	JPX

US-CL-CURRENT: 514/278; 514/337, 514/389, 514/390, 546/15, 546/256, 548/301.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 21. Document ID: US 4771130 A

L1: Entry 21 of 22 File: USPT Sep 13, 1988

US-PAT-NO: 4771130
DOCUMENT-IDENTIFIER: US 4771130 A

TITLE: Target-entrapped drugs

DATE-ISSUED: September 13, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cohen; William	New Orleans	LA	70112	N/A

US-CL-CURRENT: 536/8; 514/866, 514/912, 514/913, 514/914, 604/20

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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☐ 22. Document ID: CN 1282246 A, WO 9920277 A1, AU 9894619 A, NO 200002049 A, EP 1033132 A1, BR 9814090 A, CZ 200001418 A3, EP 1033132 A8

L1: Entry 22 of 22 File: DWPI Jan 31, 2001

DERWENT-ACC-NO: 1999-302636
DERWENT-WEEK: 200131

TITLE: Rapidly soluble drug preparation comprises pulverized (R)-2-(4-bromo-2-fluorobenzyl)-1,2,3,4-tetrahydropyrrolo(1,2-a)-pyrazine--4-spiro-3'-pyrrolidine-1,2',3,5'-tetraone

INVENTOR: FUJIOKA, H; OGASAWARA, K ; OHASHI, M ; SHIRAI, Y

PRIORITY-DATA: 1997JP-0306635 (October 20, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CN 1282246 A	January 31, 2001	N/A	000	A61K031/495
WO 9920277 A1	April 29, 1999	J	018	A61K031/495
AU 9894619 A	May 10, 1999	N/A	000	A61K031/495
NO 200002049 A	June 19, 2000	N/A	000	A61K000/00
EP 1033132 A1	September 6, 2000	E	000	A61K031/495
BR 9814090 A	October 3, 2000	N/A	000	A61K031/495
CZ 200001418 A3	October 11, 2000	N/A	000	A61K031/4985
EP 1033132 A8	April 4, 2001	E	000	A61K031/495

INT-CL (IPC): A61K 0/00; A61K 9/20; A61K 31/495; A61K 31/4985; A61K 47/12; A61K 47/24

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

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Terms	Documents
(aldose adj1 reductase) same (fast or rapidly or quick)	22

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L6: Entry 22 of 65 File: USPT Mar 20, 1990

DOCUMENT-IDENTIFIER: US 4910022 A
TITLE: Phthalazineacetic acid composition and tablet

BSPR:
The enzyme aldose reductase acts to catalytically convert aldoses such as glucose and galactose to their corresponding alditols. The alditols, thus formed, tend to accumulate in the cell giving rise to osmotic pressures which may impair the function of the cells. The enzyme acts primarily when the concentration of an aldose is high such as in diabetics, thus giving rise to clinical conditions in diabetes such as retinopathy, neuropathy, nephropathy and the like. Certain phthalazin-4-yl-acetic acid compounds have been found to be useful in the reduction or prevention of the clinical effects associated with diabetes. These compounds are described in U.S. Pat. Nos. 4,251,528 and 4,393,062. A particularly useful compound is 2-(2-fluoro-4-bromobenzyl)-1,2-dihydro-1-oxophthalazin-4-yl-acetic acid which may be identified also by the Chemical Abstracts system of nomenclature as 3-((4-bromo-2-fluorophenyl)methyl)-3,4-dihydro-4-oxo-1-phthalazineacetic acid and represented by Formula I. ##STR1## A pharmaceutical tablet of the compound of Formula I has been disclosed in the aforecited U.S. Pat. No. 4,393,062. It has been found however that when tablets are prepared wit the formulation as described in said patent or are prepared using a number of the conventional tablet formulating ingredients, the amount and/or kind of tablet ingredients are such as to necessitate for the required dose of drug, either a large tablet or a tablet containing less than the quantity of drug desired for said dose, thereby requiring multiple dosing. It is desirable to have a small tablet which would be easy to swallow but containing the entire required dosage enabling once a day administration thereby encouraging patient compliance, and which tablet would also have the appropriate physicochemical properties for efficient and effective utilization of the drug such as rapid disintegration and dissolution.

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L6: Entry 13 of 65 File: USPT Jun 28, 1994

DOCUMENT-IDENTIFIER: US 5324742 A
TITLE: Aldose reductase inhibitor obtained from Crucibulum sp. RF-3817

DEPR:
When an agent for inhibiting an aldose reductase of the present invention is administered to patients, the daily dose is 1 mg to 1000 mg, preferably 100 mg to 500 mg, although it depends on sex, age, and the condition of patients. The preferable route of dosage is oral, though either oral or non-oral route can be taken. Agent forms used in the oral administration involves elixirs, capsules, granules, pilis, suspensions, emulsions, powders, tablets, and syrups, but tablets are better than the others.

DEPR:
Tablets can be prepared by usual methods for tablets as follows. An aldose reductase inhibitor according to this invention is first rendered granular with or without uniform admixture with a diluent, binder, disintegrator, and other suitable additives. The resultant granules are provided with additives such as a lubricant, and compressed into a desired shape and size. These granules are usually prepared by compressing a drug of the above mixtures and crushing to granules, granulating and drying. Tablets may also be prepared either by direct compression of a drug with or without a diluent, binder, disintegrator, and other suitable additives, or by compression after drugs with or without suitable additives have been added to previously prepared inactive granules. If necessary, coloring agents, flavoring agents, etc. may be added. Tablets may be coated with sucrose or other suitable coating agents.

L6: Entry 28 of 65 File: USPT Jun 11, 1985

DOCUMENT-IDENTIFIER: US 4523021 A
TITLE: 1'-Substituted-spiro[pyrrolidine-3,3'-indoline]-2,2',5-triones

BSPR:
The compositions may be manufactured by normal techniques of pharmacy using procedures, carriers and diluents well known in the art. In general oral compositions are preferred, but the exact form of composition and route of administration may vary depending on the host and aldose reductase containing tissue under treatment. Tablets may contain in addition to a compound of formula I or a salt thereof (hereinafter referred to as the active ingredient) one or more inert diluents and compression aids, for example lactose, magnesium carbonate or calcium phosphate; granulating and disintegrating agents, for example sodium or calcium carboxymethylcellulose, microcrystalline cellulose or maize starch; binding agents, for example polyvinylpyrrolidone or gelatine; wetting agents, for example sodium lauryl sulphate or polysorbate; and lubricating agents, for example magnesium stearate. Tablets may be uncoated or they may be coated by known techniques to increase stability, to mask unpalatable taste, or to delay release of the active ingredient. They may in addition contain one or more sweetening, flavouring and colouring agents.

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Terms	Documents
tablet$ same (aldose adj1 reductase)	65

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Refine Search: tablet$ same (aldose adj1 reductase) Clear

Search History

Today's Date: 7/10/2001

DB Name	Query	Hit Count	Set Name
USPT,JPAB,EPAB,DWPI,TDBD	tablet$ same (aldose adj1 reductase)	65	L6
USPT,JPAB,EPAB,DWPI,TDBD	l4 and (aldose adj1 reductase)	0	L5
USPT,JPAB,EPAB,DWPI,TDBD	(fast or rapidly or quick) adj5 tablet$	673	L4
USPT,JPAB,EPAB,DWPI,TDBD	l1 and (fast or rapidly or quick) adj5 tablet$	0	L3
USPT,JPAB,EPAB,DWPI,TDBD	(aldose adj1 reductase) same (fast or rapidly or quick) same (release or dissolve or dissolving)	0	L2
USPT,JPAB,EPAB,DWPI,TDBD	(aldose adj1 reductase) same (fast or rapidly or quick)	22	L1